

IN THE CLAIMS:

Please amend claims 1-18 as follows.

1. (Currently Amended) A data transmission method in a telecommunication system, the method ~~being characterized by~~ comprising:

determining (202) the number of bit rate classes[[,]];

setting (204) bit rates for the bit rate classes[[,]];

setting (206) a maximum transmission power target[[,]];

arranging (208) resource requests into a queue[[,]];

allocating (210) resources according to the requests in the queue until the maximum power target is achieved.

2. (Currently Amended) A data transmission method in a telecommunication system, the method ~~being characterized by~~ comprising:

determining (202) the number of bit rate classes[[,]];

setting (204) bit rates for the bit rate classes[[,]];

setting (206) a maximum transmission power target[[,]];

arranging (208) resource requests into a queue[[,]];

allocating (210) resources according to the requests in the queue[[,]];

if the maximum power target is not achieved when resources have been allocated to all the users in the queue (212),

increasing (214) the bit rates on the basis of the queue until the maximum power target is achieved[[,]];

if the resource requests cause too much load in relation to the maximum power target (216),

decreasing (218) the required number of bit rates in a predetermined way.

3. (Currently Amended) The method of claim 1 ~~or 2, characterized in that~~ further comprising determining the bit rate classes ~~are determined~~ on the basis of the required Quality of Service, QoS.

4. (Currently Amended) The method of claim 1 ~~or 2, characterized in that~~ further comprising setting the bit rate classes ~~are set~~ on the basis of a Quality of Service, QoS, parameter ARP, Allocation Retention Priority.

5. (Currently Amended) The method of claim 2, ~~characterized in that~~ further comprising: when the maximum power threshold is exceeded[[,]] the bit rate decreasing ~~is decreased~~ by allocating to the user a general minimum bit rate.

6. (Currently Amended) The method of claim 2, ~~characterized in that~~ further comprising: when the maximum power threshold is exceeded[[,]] the bit rate decreasing ~~is decreased~~ by allocating to the user a class-specific minimum bit rate.

7. (Currently Amended) The method of claim 2, ~~characterized in that~~ wherein the decreasing of the bit rate starts from the user who has a bit rate higher than the general minimum bit rate and the lowest priority, followed by the user who has a bit rate higher than the class specific minimum bit rate and the lowest priority.

8. (Currently Amended) The method of claim 2, ~~characterized in that~~ further comprising: if a general minimum bit rate or a class specific minimum bit rate is

allocated to the users and the load remains too high, the required number of users are transferred to the control channel.

9. (Currently Amended) A radio network controller

~~characterized by comprising:~~

means ~~(608, 618)~~ for determining the number of bit rate classes~~[[,]]~~;

means ~~(608, 618)~~ for setting bit rates for the bit rate classes~~[[,]]~~;

means ~~(608, 618)~~ for setting a maximum transmission power target~~[[,]]~~;

means ~~(608, 618)~~ for arranging resource requests into a queue~~[[,]]~~;

means ~~(608, 618)~~ for allocating resources according to the requests in the queue until the maximum power target is achieved.

10. (Currently Amended) A radio network controller

~~characterized by comprising:~~

means ~~(608, 618)~~ for determining the number of bit rate classes~~[[,]]~~;

means ~~(608, 618)~~ for setting bit rates for the bit rate classes~~[[,]]~~;

means ~~(608, 618)~~ for setting a maximum transmission power target~~[[,]]~~;

means ~~(608, 618)~~ for arranging resource requests into a queue~~[[,]]~~;

means ~~(608, 618)~~ for allocating resources according to the requests in the queue~~[[,]]~~;

means ~~(608, 618)~~ for increasing the bit rates on the basis of the queue until the maximum power target is achieved~~[[,]]~~;

means ~~(608, 618)~~ for decreasing the required number of bit rates in a predetermined way.

11. (Currently Amended) The radio network controller of claim 9 ~~or~~ 10, ~~characterized in that the radio network controller comprises~~ further comprising means (608, 618) for determining the bit rate classes on the basis of the required Quality of Service, QoS.

12. (Currently Amended) The radio network controller of claim 9 ~~or~~ 10, ~~characterized in that the radio network controller comprises~~ further comprising means (608, 618) for setting the bit rate classes on the basis of a Quality of Service, QoS, parameter ARP, Allocation Retention Priority.

13. (Currently Amended) The radio network controller of claim 10, ~~characterized in that the radio network controller comprises~~ further comprising means (608, 618) for decreasing the bit rate by allocating a general minimum bit rate to a user.

14. (Currently Amended) The radio network controller of claim 10, ~~characterized in that the radio network controller comprises~~ further comprising means (608, 618) for decreasing the bit rate by allocating the class specific minimum bit rate to a user.

15. (Currently Amended) The radio network controller of claim 10, ~~characterized in that the radio network controller comprises~~ further comprising means (608, 618) for starting the decreasing of the bit rate from the user who has a bit rate higher than the general minimum bit rate and the lowest priority, followed by the user who has a bit rate higher than the class specific minimum bit rate and the lowest priority.

16. (Currently Amended) The radio network controller of claim 10, ~~characterized in that the radio network controller comprises~~ further comprising means (608, 618) for transferring the needed number of users onto the control channel.

17. (Currently Amended) A base station

~~characterized by comprising:~~

means ~~(608, 618)~~ for arranging resource requests into a queue[[],];

means ~~(608, 618)~~ for allocating resources according to the requests in the queue.

18. (Currently Amended) A base station

~~characterized by comprising:~~

means ~~(700)~~ for arranging resource requests into a queue[[],];

means ~~(700)~~ for allocating resources according to the requests in the queue[[],];

means ~~(700)~~ for increasing the bit rates on the basis of the queue until the maximum target set for the transmission power is achieved[[],];

means ~~(700)~~ for decreasing the required number of bit rates in a predetermined way.

Please add new claims 19-22 as follows:

19. (New) A radio network controller configured to:

determine the number of bit rate classes;

set bit rates for the bit rate classes;

set a maximum transmission power target;

arrange resource requests into a queue;

allocate resources according to the requests in the queue until the maximum power target is achieved.

20. (New) A radio network controller configured to:

determine the number of bit rate classes;
set bit rates for the bit rate classes;
set a maximum transmission power target;
arrange resource requests into a queue;
allocate resources according to the requests in the queue;
increase the bit rates on the basis of the queue until the maximum power target is achieved;

decrease the required number of bit rates in a predetermined way.

21. (New) A base station configured to:

arrange resource requests into a queue;
allocate resources according to the requests in the queue.

22. (New) A base station configured to:

arrange resource requests into a queue;
allocate resources according to the requests in the queue;
increase the bit rates on the basis of the queue until the maximum target set for the transmission power is achieved;
decrease the required number of bit rates in a predetermined way.